

**Amendments to the Specification:**

*Please amend the paragraph beginning on page 2, at line 25 as shown below:*

One limitation of the Wiggins apparatus and method is that it does not provide for a non-intrusive pressure measurement, which is desirable when working with hypercompressors. The use of an indicator valve in a compressor cylinder, such as described in Wiggins, would not only create a potential leak path, but could add significantly to the cylinder stress. Therefore, a need still exists for a system and method for monitoring the mechanical condition of a hypercompressor, and in particular for non-intrusively monitoring the pressure of a packed-plunger cylinder in the compressor.